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Upcoming Trade Shows
ICUIL, ICALEO, & ASSL

Every year, EOT exhibits at several laser industry trade shows. We will be exhibiting for our first time at the ICUIL - International Committee on Ultra-high Intensity Lasers
Conference in Lindau, Germany, September 9-14. You can visit us at Booth 12 to view our latest products.

We will also again be exhibiting at LIA's ICALEO Conference, October 14-18 in Orlando, FL. Please stop by our booth to see what we have to offer.

Our final trade show in 2018 will be OSA's Advanced Solid State Lasers Conference in Boston, MA, November 5-8. We invite you to Booth 109 to visit with us.

For more information on our upcoming trade shows, please click here.

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**Introducing: Jeremy Weston**

Meet our VP of Strategic Marketing

Jeremy Weston is currently EOT's VP of Strategic Marketing. In this role, Jeremy manages the Product Management Group, with an emphasis on medium to long-term product development. Jeremy also performs market research on trends within the laser industry and related application areas.

From 2010-2013 Mr. Weston was Director of Product Development, Lasers, at JDSU. At JDSU, Mr. Weston oversaw the design and development of fiber and solid-state lasers used in industrial settings, including sheet metal cutting and semiconductor manufacturing.

From 2004-2006 Mr. Weston was a Vice President at Coherent, where he managed their scientific business unit and held a position in the M&A group.

From 1991-2003 Mr. Weston served as President and CEO of Positive Light, a position he held since he co-founded the company in 1991 until its acquisition by Coherent in 2003. In addition to his corporate governance functions, Mr. Weston was responsible for engineering management and marketing at various times. While at Positive Light, he
was involved in the design and development of several key laser products, including: diode pumped laser systems, Ti:sapphire regenerative amplifiers, and the development of narrow linewidth diode pumped lasers for metrology applications.

Prior to Positive Light Mr. Weston worked at Continuum and Spectra-Physics in engineering positions.

Mr. Weston holds a B.Sc. (Hons) in Applied Physics from the University of Bath (UK). He is the holder of nine U.S. patents relating to laser and optical technology and has authored over 15 scientific papers.

The Machine Shop
An In-depth Look at EOT’s On-site Machine Shop

Electro-Optics Technology's first machine shop was an offsite location located approximately 25 miles from the company headquarters in Traverse City, MI. This was in the mid-1990’s and the small 30’ x 40’ shop was staffed by two full-time employees. The capabilities of the shop were limited to small quantities of milled and turned parts as all of the machines were manual. Capabilities began to increase as Computer Numerical Control (CNC) machines were utilized. A retrofitted Bridgeport Mill was purchased followed by a HAAS CNC mill and then a CNC lathe.

In 2004, EOT built a brand new facility that brought the machine shop and all other departments of the company under one roof into a 15,000 square foot facility. This move helped to streamline flow and improve the machine shop’s ability to respond quickly to both customer needs as well as research and development efforts. As EOT quickly grew, the machine shop added more people and CNC abilities including more mills, two twin-spindle, multi-function lathes, as well as a wire Electrical Discharge Machine (EDM). Soon, a full-time quality department was established in the machine shop and a second shift was added to keep up with demand. To help meet the challenges of higher volumes, tighter tolerances, and ever-increasing cosmetic specifications, we developed detailed inspection processes tailored to each part and invested in a Coordinate Measuring Machine (CMM) to ensure dimensional accuracy of parts. We also added a dedicated part-finishing department that was responsible for final deburring, tumbling, and ultra-sonic washing.
In 2016, EOT moved into a brand new, state-of-the-art, 40,000 square foot facility. A new Enterprise Resource Planning (ERP) system was implemented that schedules jobs to the machine shop allowing real-time visibility of capacity as well as in-process job status. The new ERP is displayed on a touchscreen monitor at every machine and workstation in the machine shop. These monitors give the operator all information needed to complete the process at each step of manufacturing. This information includes drawings, notes, due dates, and inspection check sheets. These check sheets are required to be completed at each critical step of production. The ERP system is also set up so that the operators at the workstations are required to have a “peer inspection” done on the parts. This serves as yet another inspection before the parts can move on to the part-finishing area. Much has been invested in gauging and inspection equipment to ensure that our processes are producing parts that are burr-free and at the highest level of cosmetic quality.
As the industry has evolved over the years with customers needing tighter tolerances, better cosmetic finishes, and quicker lead times, EOT has invested heavily in its machine shop. We hire the best people, give them the best tools with which to work, and the best environment to be in. This is how we ensure that the parts made in our machine shop will be made efficiently and meet the high standard of quality for which EOT is known.

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**Featured Product: 22 GHz Photodetector**

**EOT's ET-3600**

EOT is featuring its [22 GHz InGaAs photodetector, the ET-3600](https://www.eotech.com). The ET-3600 contains a PIN photodiode that utilizes the photovoltaic effect to convert optical power into an electrical current. It can be used to monitor the output of ultrafast and mode-locked lasers, with high-frequency, heterodyne applications, and time domain and frequency response measurements. Both free space and fiber versions are available. For more information on this product, contact [sales@eotech.com](mailto:sales@eotech.com) or visit our website, eotech.com.